

ABSTRACT OF THE DISCLOSURE**METHOD AND SYSTEM TO IDENTIFY A MEMORY CORRUPTION
SOURCE WITHIN A MULTIPROCESSOR SYSTEM**

A method and system for identifying a source of a corrupt data in a memory in a multiprocessor computer system. When a computer program stores corrupt data causing a program failure or a system crash, the corrupt data and its address are identified. The multiprocessor computer system is shut down, and the corrupt data is cleared from the memory. Before fully re-booting the multiprocessor computer system, a processor is selected from the multiprocessor computer system to load and run monitor code designed to monitor the location where the corrupt data was stored. The program that previously stored the corrupt data is restarted, and the selected processor detects any re-storage of the corrupt data in the same memory address. All processors in the computer system are then immediately suspended. The registers of all processors suspected of storing corrupt data are inspected to determine the source of the corrupt data.